

See Exam Amendment (3/18/04)

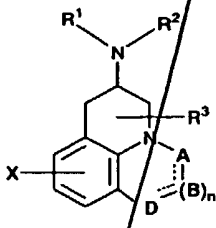
Anderson et al. Serial No. 09/929,666  
Page 2 of 7

In the Claims:

The following listing of claims will replace any/all prior versions, and listings, of claims in the application:

Sub claim 1 of 3/18/04

Claim 1 (Currently Amended): A method of treating or suppressing the symptoms of at least one disorder selected from addictive disorders, psychoactive substance use disorders, intoxication disorders, inhalation disorders, alcohol addiction, tobacco addiction, and nicotine addiction, said method comprising the step of administering to a patient in need of treatment a therapeutically effective, nontoxic amount of an active agent selected from the group consisting of a phenylazacycloalkane, a cabergoline, an aromatic bicyclic amine and a heterocyclic amine of the formula:



or a pharmaceutically acceptable salt thereof, wherein:

R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> are each independently hydrogen, C<sub>1-6</sub> alkyl, C<sub>3-5</sub> alkenyl, C<sub>3-5</sub> alkynyl, C<sub>3-7</sub> cycloalkyl, C<sub>4-10</sub> cycloalkyl- or phenyl- substituted C<sub>1-6</sub> alkyl, or R<sup>1</sup> and R<sup>2</sup> are joined to form a C<sub>3-7</sub> cyclic amine which can contain additional heteroatoms and/or unsaturation;

n is 0 or 1;

X is hydrogen, C<sub>1-6</sub> alkyl, halogen, hydroxy, alkoxy, cyano, carboxamide, carboxyl, or carboalkoxyl;

A is CH, CH<sub>2</sub>, CH-halogen, CHCH<sub>3</sub>, C=O, C=S, C-SCH<sub>3</sub>, C=NH, C-NH<sub>2</sub>, C-NHCH<sub>3</sub>, C-NHCOOCH<sub>3</sub>, C-NHCN, SO<sub>2</sub>, or N;

B is CH<sub>2</sub>, CH, CH-halogen, C=O, N, NH, N-CH<sub>3</sub>, or O;

D is CH, CH<sub>2</sub>, CH-halogen, C=O, O, N, NH, or N-CH<sub>3</sub>; and a phenylazacycloalkane, a cabergoline, an aromatic amine

and pharmaceutically acceptable derivatives or salts of any said active agent.

Claim 2 (canceled)

2  
Claim 3 (Currently Amended): The method of claim 1 2, wherein:

D is N or NH, and n is 0, and  $R^1$ ,  $R^2$ ,  $R^3$ , X, A, and B are as defined in claim 2; or

A is CH, CH<sub>2</sub>, CHCH<sub>3</sub>, C=O, C=S, C-SCH<sub>3</sub>, C=NH, C-NH<sub>2</sub>, C-NHCH<sub>3</sub>, C-NHCOOCH<sub>3</sub>, or C-NHCN, and  $R^1$ ,  $R^2$ ,  $R^3$ , n, X, B, and D are as defined in claim 2; or

A is CH or C=O, and  $R^1$ ,  $R^2$ ,  $R^3$ , n, X, B, and D are as defined in claim 2.

3  
Claim 4 (Currently Amended): The method of claim 1 2 wherein the active agent is selected from the group consisting of:

~~(5R)-5-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinolin-(2H)-one~~  
(5R)-5-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinolin-2(1H)-one;

(5R)-5-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinoline-2(1H)-thione;

(5R)-5-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinoline-2(1H)-thione maleate; and

(5R)-5-(methylamino)-5,6-dihydro-4H-imidazo[4,5,1-ij]quinoline-2(1H)-thione 2-butenedioate.

Claims 5-12 (Canceled).

4  
Claim 13 (Original): The method of claim 1 wherein the active agent is used to treat or enhance the treatment of tobacco and/or nicotine addiction.

5  
Claim 14 (Original): The method of claim 1 wherein the active agent is used to reduce the craving for tobacco and/or nicotine containing products.

6  
Claim 15 (Original): The method of claim 1 wherein the active agent is used to reduce the smoking and/or chewing of tobacco or nicotine-containing products.

<sup>7</sup>  
Claim ~~16~~ (Original): The method of claim 1 wherein the active agent is administered to the patient three times a day.

<sup>8</sup>  
Claim ~~17~~ (Original): The method of claim 1 wherein the active agent is ~~selected from the group consisting of a heterocyclic amine, a phenylazacycloalkane, and a cabergoline~~ administered in a dose of about 0.01 mg/day to about 10.0 mg/day.

<sup>9</sup> <sup>8</sup>  
Claim ~~18~~ (Original): The method of claim ~~17~~ wherein the active agent is ~~selected from the group consisting of a heterocyclic amine, a phenylazacycloalkane, a cabergoline, and a cabergoline-type derivative~~ administered in a dose of about 0.125 mg/day to about 6 mg/day.

<sup>10</sup> <sup>9</sup>  
Claim ~~19~~ (Original): The method of claim ~~18~~ wherein the active agent is administered in an amount from about 0.375 mg/day to about 5 mg/day.

<sup>11</sup> <sup>10</sup>  
Claim ~~20~~ (Original): The method of claim ~~19~~ wherein the active agent is administered in an amount from about 0.75 mg/day to about 4.5 mg/day.

<sup>12</sup> <sup>8</sup>  
Claim ~~21~~ (Original): The method of claim ~~17~~ wherein an initial dose of active agent of about 0.125 mg/day administered to the patient three times a day is titrated to higher levels every five to seven days until therapeutic effect is achieved.

Claims 22-25 (Canceled).

see  
paper  
3/18/04  
WA

see  
paper  
3/18/04  
WA